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CLAIMS:

What is claimed is:

- 1 1. A method of transmitting data in a network
2 comprising:
3 receiving from a client a request to transmit the
4 data;
5 encrypting the data; and
6 transmitting the data to a storage device connected
7 to the network.
- 1 2. The method of claim 1, further comprising:
2 negotiating encryption parameters.
- 1 3. The method of claim 2, wherein the step of
2 negotiating encryption parameters includes
3 establishing an encrypted communications channel.
- 1 4. The method of claim 3, wherein the encrypted
2 communications channel is a Secure Sockets Layer
3 (SSL) channel.
- 1 5. The method of claim 1, wherein the data includes at
2 least one of audio data, video data, and digital
3 data.
- 1 6. The method of claim 1, wherein the storage device
2 stores the data in a removable medium.

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- 1 7. The method of claim 6, wherein the removable medium
2 is one of a compact disc (CD) and a digital
3 versatile disc (DVD).
- 1 8. The method of claim 6, wherein the removable medium
2 is one of a tape cartridge and a tape cassette.
- 1 9. The method of claim 6, wherein the removable medium
2 is one of a holographic disc and a holographic cube.
- 1 10. The method of claim 1, wherein the storage device is
2 one of a tape drive and a disk drive.
- 1 11. The method of claim 1, wherein the storage device is
2 a solid-state storage device.
- 1 12. The method of claim 1, wherein the storage device is
2 independent of the client.
- 1 13. A method, operative in a storage device, of
2 downloading data from a server:
3 receiving from the server a request for downloading;
4 receiving an encrypted data transmission;
5 decrypting the encrypted data transmission to yield
6 the data; and
7 storing the data.
- 1 14. The method of claim 13, further comprising
2 negotiating encryption parameters.

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- 1 15. The method of claim 14, wherein the step of
2 negotiating encryption parameters includes
3 performing a Secure Sockets Layer handshake.
- 1 16. The method of claim 13, wherein the data includes at
2 least one of audio data, video data and digital
3 data.
- 1 17. The method of claim 13, wherein the storage device
2 is a compact disc writer.
- 1 18. The method of claim 13, wherein the storage device
2 is one of a tape drive and a disk drive.
- 1 19. A computer program product in a computer-readable
2 medium for transmitting data in a network,
3 comprising instructions for:
4 receiving from a client a request to transmit the
5 data;
6 encrypting the data; and
7 transmitting the data to a storage device connected
8 to the network.
- 1 20. The computer program product of claim 19, comprising
2 additional instructions for:
3 negotiating encryption parameters.
- 1 21. The computer program product of claim 20, wherein
2 the instructions for negotiating encryption

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3 parameters include instructions for establishing an
4 encrypted communications channel.

1 22. The computer program product of claim 21, wherein
2 the encrypted communications channel is a Secure
3 Sockets Layer (SSL) channel.

1 23. The computer program product of claim 19, wherein
2 the data includes at least one of audio data, video
3 data, and digital data.

1 24. The computer program product of claim 19, wherein
2 the storage device stores the data in a removable
3 medium.

1 25. The computer program product of claim 24, wherein
2 the removable medium is one of a compact disc (CD)
3 and a digital versatile disc (DVD).

1 26. The computer program product of claim 24, wherein
2 the removable medium is one of a tape cartridge and
3 a tape cassette.

1 27. The computer program product of claim 24, wherein
2 the removable medium is one of a holographic disc
3 and a holographic cube.

1 28. The computer program product of claim 19, wherein
2 the storage device is one of a tape drive and a disk
3 drive.

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- 1 29. The computer program product of claim 19, wherein
2 the storage device is a solid-state storage device.
- 1 30. The computer program product of claim 19, wherein
2 the storage device is independent of the client.
- 1 31. An embedded processor program in a embedded
2 processor-readable medium and operative in a storage
3 device, of downloading data from a server,
4 comprising instructions for:
5 receiving from the server a request for downloading;
6 receiving an encrypted data transmission;
7 decrypting the encrypted data transmission to yield
8 the data; and
9 storing the data.
- 1 32. The embedded processor program of claim 31, further
2 comprising instructions for:
3 negotiating encryption parameters.
- 1 33. The embedded processor program of claim 32, wherein
2 the instructions for negotiating encryption
3 parameters include instructions for establishing an
4 encrypted communications channel.
- 1 34. The embedded processor program of claim 33, wherein
2 the encrypted communications channel is a Secure
3 Sockets Layer (SSL) channel.

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- 1 35. The embedded processor program of claim 31, wherein
2 the data includes at least one of audio data, video
3 data, and digital data.
- 1 36. The embedded processor program of claim 31, wherein
2 the storage device stores the data in a removable
3 medium.
- 1 37. The embedded processor program of claim 36, wherein
2 the removable medium is one of a compact disc (CD)
3 and a digital versatile disc (DVD).
- 1 38. The embedded processor program of claim 24, wherein
2 the removable medium is one of a tape cartridge and
3 a tape cassette.
- 1 39. The embedded processor program of claim 24, wherein
2 the removable medium is one of a holographic disc
3 and a holographic cube.
- 1 40. The embedded processor program of claim 31, wherein
2 the storage device is one of a tape drive and a disk
3 drive.
- 1 41. The embedded processor program of claim 31, wherein
2 the storage device is a solid state storage device.
- 1 42. A data processing system for transmitting data in a
2 network, comprising:
3 a bus system;

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4 a processing unit connected to the bus system,
5 wherein the processing unit includes at least one
6 processor;
7 memory connected to the bus system;
8 a network adapter in communication with the network
9 and with the bus system; and
10 a set of instructions in the memory,
11 wherein the processing unit executes the set of
12 instructions to perform the acts of:
13 receiving with the network adapter and from a client
14 a request to transmit the data;
15 encrypting the data; and
16 transmitting the data to a storage device connected
17 to the network.

1 43. The data processing system of claim 42, wherein the
2 storage device is independent of the client.

1 44. A storage device comprising:
2 a bus system;
3 an embedded processor unit connected to the bus
4 system, wherein the embedded processor includes at
5 least one embedded processor;
6 memory connected to the bus system;
7 a network adapter connected to the bus system;
8 physical storage components in communication with
9 the bus system; and
10 a set of instructions in the memory,
11 wherein the embedded processor unit executes the set
12 of instructions to perform the acts of:

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13 receiving with the network adapter and from the
14 server a request for downloading;
15 receiving an encrypted data transmission;
16 decrypting the encrypted data transmission to yield
17 the data; and
18 storing the data with the physical storage
19 components.

1 45. The storage device of claim 44, wherein the physical
2 storage components store the data to a removable
3 medium.

1 46. The storage device of claim 44, wherein the
2 removable medium is one of a compact disc and a
3 digital versatile disc (DVD).

1 47. The storage device of claim 44, wherein the
2 removable medium is one of a tape cartridge and a
3 tape cassette.

1 48. The storage device of claim 44, wherein the
2 removable medium is one of a holographic disc and a
3 holographic cube.

1 49. The storage device of claim 44, wherein the physical
2 storage components store the data to one of tape and
3 a disk.

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- 1 50. The storage device of claim 44, wherein the physical
- 2 storage components store the data to a solid-state
- 3 device.

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